## SEQUENCE LISTING

- (1) GENERAL INFORMATION
- (i) APPLICANT: Dasseux, Jean-Louis Sekul, Renate Buttner, Klaus Cornut, Isabelle Metz, Gunther
- (ii) TITLE OF THE INVENTION: APOLIPOPROTEIN A-I AGONISTS AND THEIR USE TO TREAT DYSLIPIDEMIC DISORDERS
- (iii) NUMBER OF SEQUENCES: 254
- (iv) CORRESPONDENCE ADDRESS:
  - (A) ADDRESSEE: Pennie & Edmonds LLP
  - (B) STREET: 1155 Avenue of the Americas
  - (C) CITY: New York
  - (D) STATE: NY
  - (E) COUNTRY: USA
  - (F) ZIP: 10036-2811
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: Diskette
  - (B) COMPUTER: IBM Compatible

  - (C) OPERATING SYSTEM: DOS
    (D) SOFTWARE: FastSEQ Version 2.0
- (vi) CURRENT APPLICATION DATA:
  - (A) APPLICATION NUMBER: 08/940,093
  - (B) FILING DATE: 29-SEP-1997
  - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
  - (A) APPLICATION NUMBER: (B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
  - (A) NAME: Coruzzi, Laura A
  - (B) REGISTRATION NUMBER: 30,742
  - (C) REFERENCE/DOCKET NUMBER: 009196-0006-999
- (ix) TELECOMMUNICATION INFORMATION:
  - (A) TELEPHONE: 650-493-4935 (B) TELEFAX: 650-493-5556

  - (C) TELEX: 66141 PENNIE
    - (2) INFORMATION FOR SEQ ID NO:1:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 16 (D) OTHER INFORMATION: Xaa = Naphthylalanine

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Xaa Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2: Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys Lys 20 (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Trp Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:4: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:5: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear -130-

- (ii) MOLECULE TYPE: None (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1
  - (D) OTHER INFORMATION: Xaa = D-Pro
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys Lys 20

- (2) INFORMATION FOR SEQ ID NO:6:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 22 amino acids
  (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:7:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:8:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:9:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:10:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 17
  - (D) OTHER INFORMATION: Xaa = Naphthylalanine
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Xaa Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:11:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:12:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Gly Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:13:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:14:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other (B) LOCATION: 18

  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other (B) LOCATION: 20

  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other
  - (B) LOCATION: 22
  - (D) OTHER INFORMATION: Xaa = Orn
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Xaa Gln Xaa Leu Xaa 20

- (2) INFORMATION FOR SEQ ID NO:15:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid

- (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:16:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:

Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:17:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:18:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:19:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:20: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:20: Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:21: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1
(D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:21: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:22: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single

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(D) TOPOLOGY: linear

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- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:22:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Gly Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:23:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:23:

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:24:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:24:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:25:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:25:

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:26:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:26: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:27: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 14 (D) OTHER INFORMATION: Xaa = Naphthylalanine (xi) SEQUENCE DESCRIPTION: SEQ ID NO:27: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Xaa Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:28: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:28: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:29: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:29: -137Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:30: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: N-terminal dansylated peptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:30: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:31: (i) SEQUENCE CHARACTERISTICS:

- - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:31:

Pro Val Leu Asp Leu Phe Leu Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:32:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1
  - (D) OTHER INFORMATION: Xaa = Aib

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32: Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:33:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid

1

- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:34:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other

  - (B) LOCATION: 5 (D) OTHER INFORMATION: Xaa = Naphthylalanine
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:

Pro Val Leu Asp Xaa Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:35:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:35:

Pro Val Leu Asp Trp Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:36:
- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:37:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single

  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:

Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:38:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other

  - (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:38:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 5 Trp Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:39:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Leu Lys Ala

Leu Lys Lys Leu Lys 20

## (2) INFORMATION FOR SEQ ID NO:40:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:

Pro Val Leu Asp Leu Phe Asn Glu Leu Leu Arg Glu Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:41:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:41:

Pro Val Leu Asp Leu Trp Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:42:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Trp Glu Ala 5 1 Leu Lys Gln Lys Leu Lys

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(2) INFORMATION FOR SEQ ID NO:43: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:43: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:44: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (D) OTHER INFORMATION: All genetically encoded amino acids are in the D-configuration (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:44: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:45: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib -142-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:45: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:46: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46: Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 10 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:47: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47: Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu 10 Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:48: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (A) NAME/KEY: Other
(B) LOCATION: 2
(D) OTHER INFORMATION: Xaa = D-Val -143-

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:48: Xaa Xaa Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:49: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:49:

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Lys Leu Leu Glu Ala Leu Glu Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:50:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:50:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Trp Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:51:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other (B) LOCATION: 13

  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:51:

Pro Val Leu Asp Leu Phe Trp Glu Leu Leu Asn Glu Xaa Leu Glu Ala 1

- (2) INFORMATION FOR SEQ ID NO:52:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:52:

Pro Val Trp Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:53:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:53:

Val Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:54:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:54:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Trp Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:55:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 19 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:

Pro Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln 5 Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:56:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:56:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Lys Lys 20

- (2) INFORMATION FOR SEQ ID NO:57:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:57:

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Lys Ala Leu Glu Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:58:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 21 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:58:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu

(2) INFORMATION FOR SEQ ID NO:59:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:59: Leu Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:60: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:60: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln (2) INFORMATION FOR SEQ ID NO:61:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None

(A) NAME/KEY: Other

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(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None

(A) NAME/KEY: Other

(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:61:

(2) INFORMATION FOR SEQ ID NO:62:

Pro Val Leu Asp Glu Phe Arg Trp Lys Leu Asn Glu Xaa Leu Glu Ala

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(ix) FEATURE:

Leu Lys Gln Lys Leu Lys

(ix) FEATURE:

(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:62: Pro Val Leu Asp Glu Trp Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:63: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:63: Pro Val Leu Asp Phe Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:64: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:64: Pro Trp Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:65: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE:

- (A) NAME/KEY: Other (B) LOCATION: 12 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:65: Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:66: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66: Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:67:

  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 21 amino acids
    - (B) TYPE: amino acid

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- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:67:

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:68:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:68:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Lys Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys

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- (2) INFORMATION FOR SEQ ID NO:69:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:

Pro Val Leu Asp Glu Phe Arg Lys Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:70:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:70:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Tyr Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:71:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 14
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Xaa Glu Ala

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Leu Lys Gln Lys Leu Lys

## (2) INFORMATION FOR SEQ ID NO:72:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other(B) LOCATION: 13(D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:72:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Trp Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:73:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other (B) LOCATION: 13

  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:73:

Pro Val Leu Asp Glu Phe Trp Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:74:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:74:

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Pro Val Leu Asp Lys Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:75:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:75:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:76:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:76:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Phe Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 1 20

- (2) INFORMATION FOR SEQ ID NO:77:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:77:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Lys Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

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(2) INFORMATION FOR SEQ ID NO:78: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:78: Pro Val Leu Asp Glu Phe Arg Asp Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:79: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:79: Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:80: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:80: Pro Val Leu Asp Leu Phe Glu Arg Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:81: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -153-

- (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:81: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Trp Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:82:

  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 20 amino acids

    - (B) TYPE: amino acid(C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: None
  - (ix) FEATURE:

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- (A) NAME/KEY: Other
- (B) LOCATION: 11
- (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:82:

Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:83:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:83:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Trp Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:84:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:84: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:85: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 21 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:85: Pro Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu 10 Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:86: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:86: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Asp Glu Leu Leu Asn Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:87: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:87: Pro Leu Leu Glu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:88: (i) SEQUENCE CHARACTERISTICS: -155-

- (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:88: Pro Val Leu Asp Lys Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:89: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
  (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other(B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:89: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Trp Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:90: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 10 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:90: Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln 10 Lys Leu Lys
  - (2) INFORMATION FOR SEQ ID NO:91:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:91: Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala 20 (2) INFORMATION FOR SEQ ID NO:92:

- 1 Leu Lys Gln Lys Leu Lys
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 22 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: None
  - (ix) FEATURE:
    - (A) NAME/KEY: Other (B) LOCATION: 13

    - (D) OTHER INFORMATION: Xaa = Aib
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:92:

Pro Val Leu Asp Glu Phe Arg Glu Leu Tyr Asn Glu Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:93:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:93:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Lys Ala 5 Leu Lys Gln Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:94: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:94: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Ala Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:95: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:95: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala 10 5 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:96: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: All genetically encoded amino acids are in the D-configuration (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:96: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 -158-

(2) INFORMATION FOR SEQ ID NO:97: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:97: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu 5 (2) INFORMATION FOR SEQ ID NO:98: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:98: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:99: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:99: Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg Phe Leu Asp Leu Val Pro 20 (2) INFORMATION FOR SEQ ID NO:100: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:100: -159Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:101:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:101:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Trp Xaa Leu Glu Ala 5 1 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:102:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:102:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala 5 1 Leu Lys Glu Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:103:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:103:

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

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(2) INFORMATION FOR SEQ ID NO:104: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:104: Pro Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:105: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:105: Pro Ala Ala Asp Ala Phe Arg Glu Ala Ala Asn Glu Ala Ala Glu Ala Ala Lys Gln Lys Ala Lys 20 (2) INFORMATION FOR SEQ ID NO:106: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:106: Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:107: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (D) OTHER INFORMATION: All amino acids are in the D-configuration (xi) SEQUENCE DESCRIPTION: SEQ ID NO:107: -161Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg Phe Leu Asp Leu Val Pro (2) INFORMATION FOR SEQ ID NO:108: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:108: Pro Val Leu Asp Leu Phe Arg Trp Leu Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:109: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:109:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Arg Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:110:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
  - (A) NAME/KEY: Other
  - (B) LOCATION: 14
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:110:

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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Xaa Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:111:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:111:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Trp Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:112:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 13
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:112:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Ser Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:113:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:113:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Pro Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys 20

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(2) INFORMATION FOR SEQ ID NO:114: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:114: Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Met Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:115: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:115: Pro Lys Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:116: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib (xi) SEQUENCE DESCRIPTION: SEQ ID NO:116: Pro His Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys -164-

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 22 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
  (ix) FEATURE:

20

- (A) NAME/KEY: Other
- (B) LOCATION: 13 (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:117:

Pro Glu Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:118:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other (B) LOCATION: 13

  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:118:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala 5 Leu Glu Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:119:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 17
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:119:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala

- (2) INFORMATION FOR SEQ ID NO:120:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 16
  - (D) OTHER INFORMATION: Xaa = Aib
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:120:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Xaa 1 5 10 15 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:121:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:121:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala 1 5 10 15 Leu Trp Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:122:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:122:

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Trp

1 5 10 15

Leu Lys Gln Lys Leu Lys
20

- (2) INFORMATION FOR SEQ ID NO:123:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single

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- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:123:

Gln Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 5 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:124:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 18
  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other
  - (B) LOCATION: 20
  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other

  - (B) LOCATION: 22 (D) OTHER INFORMATION: Xaa = Orn
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:124:

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Asn Glu Leu Leu Glu Ala 1 Leu Xaa Gln Xaa Leu Xaa 20

- (2) INFORMATION FOR SEQ ID NO:125:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:125:

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala 10 Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:126:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single

- (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:126:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Gly Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:127:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:127:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:128:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:128:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Phe Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:129:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single

  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:129:

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala 10 5 Leu Gln Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:130:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    (B) TYPE: amino acid

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- (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:130: Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20
  - (2) INFORMATION FOR SEQ ID NO:131:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 22 amino acids

    - (B) TYPE: amino acid (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: None
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:131:

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Asp Ala Leu Arg Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:132:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:132:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Asn Leu Leu Glu Ala 5 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:133:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:133:

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Gln Ala 10 5 Leu Asn Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:134:
- (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids

- (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:134:

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Lys Ala Leu Asn Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:135:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:135:

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:136:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:136:

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Gln Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:137:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
  (ix) FEATURE:
- - (A) NAME/KEY: Other

  - (B) LOCATION: 17
    (D) OTHER INFORMATION: Xaa = Naphthylalanine
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:137:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala

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Xaa Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:138: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:138: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Trp Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:139: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:139: Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:140: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 20 (D) OTHER INFORMATION: Xaa = Orn

(A) NAME/KEY: Other

(B) LOCATION: 22

(D) OTHER INFORMATION: Xaa = Orn

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:140:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala

Leu Xaa Gln Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:141: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:141: Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 10 5 Leu Lys Gln Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:142: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:142: Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala 1 Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:143: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 (D) OTHER INFORMATION: N-terminal acetylated and

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:143:

(2) INFORMATION FOR SEQ ID NO:144:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

1

Leu Lys Gln Lys Leu Lys

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala

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C-terminal amidated peptide

- (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1 (D) OTHER INFORMATION: Xaa = D-Pro (xi) SEQUENCE DESCRIPTION: SEQ ID NO:144: Xaa Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:145: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:145: Gly Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:146: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
  - - (B) TYPE: amino acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
  - (ii) MOLECULE TYPE: None
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:146:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:147:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:147:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Phe Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:148:

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- (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
  (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:148:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Gly Asp Ala Leu Gln Lys Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:149:

- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:149:

Pro Val Leu Glu Leu Phe Glu Asn Leu Trp Glu Arg Leu Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:150:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
    - (B) TYPE: amino acid
    - (C) STRANDEDNESS: single
    - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:150:

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 1 Leu Gln Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:151:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:151:

Pro Val Leu Glu Leu Phe Glu Asn Leu Gly Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys

(2) INFORMATION FOR SEQ ID NO:152:

- (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:152:

Pro Val Phe Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:153:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 22 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:153:

Ala Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 5 1 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:154:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:154:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Gly Leu Asp Ala 5 1 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:155:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:155:

Pro Val Leu Glu Leu Phe Leu Asn Leu Trp Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys 20

(2) INFORMATION FOR SEQ ID NO:156:

- (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
  (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:156:

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:157:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:157:

Pro Val Leu Glu Phe Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:158:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:158:

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Trp 5 1 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:159:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:159:

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys

(2) INFORMATION FOR SEQ ID NO:160:

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:160: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Trp 10 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:161: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:161:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:162:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

  - (B) TYPE: amino acid (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:162:

Pro Val Leu Glu Leu Phe Glu Asn Trp Leu Glu Arg Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 2.0

- (2) INFORMATION FOR SEQ ID NO:163:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:163:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Trp Asp Ala 10 Leu Gln Lys Lys Leu Lys

(2) INFORMATION FOR SEQ ID NO:164:

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(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids
(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:164: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Trp Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:165: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:165: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Leu 10 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:166: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:166: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Lys Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:167: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:167: Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:168: -178-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:168: Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Lys Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:169: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:169:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala 10 5 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:170:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 12
  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other
  - (B) LOCATION: 19
  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other

  - (B) LOCATION: 20
    (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other
  - (B) LOCATION: 22
  - (D) OTHER INFORMATION: Xaa = Orn
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:170:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Xaa Leu Leu Asp Ala 5

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Leu Gln Xaa Xaa Leu Xaa 20 (2) INFORMATION FOR SEQ ID NO:171: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:171: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Leu Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:172: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:172: Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Gly Asp Ala 5 Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:173: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:173: Pro Val Leu Asp Leu Phe Asp Asn Leu Leu Asp Arg Leu Leu Asp Leu Leu Asn Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:174: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...22 -180(D) OTHER INFORMATION: All amino acids are in the D-configuration

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:174:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:175:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:175:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Leu 10 5 Leu Asn Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:176:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:176:

Pro Val Leu Glu Leu Trp Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:177:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:177:

Gly Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:178:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:178: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Lys Leu Leu Glu Ala Leu Gln Lys Lys Leu Arg (2) INFORMATION FOR SEQ ID NO:179: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:179: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:180: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:180: Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Arg 20 (2) INFORMATION FOR SEQ ID NO:181: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:181: Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Trp Leu Asp Ala 5 Leu Gln Lys Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:182: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid -182-

(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:182:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Glu Ala 10 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:183:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:183:

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala 10 1 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:184:
- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:184:

Pro Val Leu Glu Leu Phe Leu Asn Leu Glu Arg Leu Leu Asp Ala 10 5 Trp Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:185:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 19
  - (D) OTHER INFORMATION: Xaa = Orn
  - (A) NAME/KEY: Other
  - (B) LOCATION: 20
  - (D) OTHER INFORMATION: Xaa = Orn

- (A) NAME/KEY: Other
  (B) LOCATION: 22
  (D) OTHER INFORMATION: Xaa = Orn
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:185:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 1 1 1 15 Leu Gln Xaa Xaa Leu Xaa 20

- (2) INFORMATION FOR SEQ ID NO:186:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:186:

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Arg Leu Leu Asp Ala 1 5 10 15 Leu Gln Lys Lys Leu Lys 20

- (2) INFORMATION FOR SEQ ID NO:187:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:187:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala 1 5 10 15 Leu Asn Lys Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:188:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:188:

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Asp Arg Leu Leu Asp Ala
1 5 10 15
Leu Gln Lys Lys Leu Lys
20

- (2) INFORMATION FOR SEQ ID NO:189:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 22 amino acids

(B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:189: Asp Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala Leu Gln Lys Lys Leu Lys 20 (2) INFORMATION FOR SEQ ID NO:190: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 22 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:190: Pro Val Leu Glu Phe Trp Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala 10 Leu Gln Lys Lys Leu Arg 20 (2) INFORMATION FOR SEQ ID NO:191: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:191: Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:192: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and -185-

Leu Lys

## C-terminal amidated

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:192:

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:193:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
    (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:193:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 1 Leu Lys

- (2) INFORMATION FOR SEO ID NO:194:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
  (ix) FEATURE:
- - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:194:

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:195:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
    (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other

- (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:195: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 (2) INFORMATION FOR SEQ ID NO:196: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
  - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:196:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Asn Lys 5 1 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:197:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

Leu Lys

- (A) NAME/KEY: Other
- (B) LOCATION: 1...18
- (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:197:

Pro Leu Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 5 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:198:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

(A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and

C-terminal amidated

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:198:

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:199:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
  (ix) FEATURE:
- - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:199:

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Glu Glu Leu Lys Gln Lys 10 1 5 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:200:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:200:

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 1 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:201:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None

## (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:201:

Pro Leu Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:202:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:202:

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Lys 1 Leu Arg

- (2) INFORMATION FOR SEQ ID NO:203:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other
    (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:203:

Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 1 5 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:204:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:204: Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 (2) INFORMATION FOR SEQ ID NO:205: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other
(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:205: Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Glu Glu Leu Lys Gln Lys 10 (2) INFORMATION FOR SEQ ID NO:206: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:206: Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 (2) INFORMATION FOR SEQ ID NO:207: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single

1

1 Leu Lys

1 Leu Lys

Leu Lys

(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:207: Pro Val Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:208: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other
(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:208: Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Arg 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:209: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:209: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:210: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None

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(xi) SEQUENCE DESCRIPTION: SEQ ID NO:210: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:211: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (A) NAME/KEY: Other (B) LOCATION: 14 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 16 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other (B) LOCATION: 18 (D) OTHER INFORMATION: Xaa = Orn (xi) SEQUENCE DESCRIPTION: SEQ ID NO:211: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Xaa Gln Xaa Leu Xaa (2) INFORMATION FOR SEQ ID NO:212: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (A) NAME/KEY: Other(B) LOCATION: 7 (D) OTHER INFORMATION: Xaa = Orn (A) NAME/KEY: Other -192-

(2) INFORMATION FOR SEQ ID NO:215: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18
(D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:215: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Trp Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:216: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:216: Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys ٦ Leu Lys (2) INFORMATION FOR SEQ ID NO:217: (i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:217: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Leu Leu Lys Gln Lys 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:218: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: -194-

- (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:218:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:219:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:219:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Gln Lys 5 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:220:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids

  - (B) TYPE: amino acid(C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:220:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Gln Lys Lys 10 Leu Lys

- (2) INFORMATION FOR SEQ ID NO:221:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
    (B) TYPE: amino acid
    (C) STRANDEDNESS: single

  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:221:

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 1 Leu Lys

(2) INFORMATION FOR SEQ ID NO:222: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:222: Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Leu Gln Leu 5 10 Lys Lys (2) INFORMATION FOR SEQ ID NO:223: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:223: Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Ala Gln Leu 5 Lys Lys (2) INFORMATION FOR SEQ ID NO:224: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:224: Pro Val Leu Asp Leu Phe Arg Glu Gly Trp Glu Glu Leu Lys Gln Lys 10 Leu Lys (2) INFORMATION FOR SEQ ID NO:225: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:225: Pro Val Leu Asp Ala Phe Arg Glu Leu Ala Glu Ala Leu Ala Gln Leu -196-

(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:229: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Gly Lys Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:230: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:230: Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Gln Lys Lys 1.0 5 Leu Lys (2) INFORMATION FOR SEQ ID NO:231: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:231: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Glu Gln Lys 5 10 1 Leu Lys (2) INFORMATION FOR SEQ ID NO:232: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other -198-

(B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:232:

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys Leu Lys

- (2) INFORMATION FOR SEQ ID NO:233:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:
  - (B) TYPE:
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:233:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:234:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:

  - (B) TYPE: (C) STRANDEDNESS:
  - (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:234:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:235:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:
  - (B) TYPE:
  - (C) STRANDEDNESS:
    (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:235:

This sequence has been intentionally skipped

- (2) INFORMATION FOR SEQ ID NO:236:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH:
  - (B) TYPE:
  - (C) STRANDEDNESS:
  - (D) TOPOLOGY:
- (ii) MOLECULE TYPE:
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:236:

This sequence has been intentionally skipped (2) INFORMATION FOR SEQ ID NO:237: (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 amino acids
- (B) TYPE: amino acid(C) STRANDEDNESS: single
- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:237:

Leu Asp Asp Leu Leu Gln Lys Trp Ala Glu Ala Phe Asn Gln Leu Leu Lys Lys

- (2) INFORMATION FOR SEQ ID NO:238:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:238:

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu Leu Phe

- (2) INFORMATION FOR SEQ ID NO:239:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other
    (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:239:

Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 10 1 Leu Phe

(2) INFORMATION FOR SEQ ID NO:240:

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(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
(D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:240: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu Ala Phe (2) INFORMATION FOR SEQ ID NO:241: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:241: Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu 1 5 Phe Phe (2) INFORMATION FOR SEQ ID NO:242: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:242: Gly Ile Lys Lys Phe Leu Gly Ser Ile Trp Lys Phe Ile Lys Ala Phe Val Gly (2) INFORMATION FOR SEQ ID NO:243: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:243: -201-

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu Ala Phe (2) INFORMATION FOR SEQ ID NO:244: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:244: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu 1 10 Ala Phe (2) INFORMATION FOR SEQ ID NO:245: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid
(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:245: Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu 1 10 Phe Phe (2) INFORMATION FOR SEQ ID NO:246: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (xi) SEQUENCE DESCRIPTION: SEQ ID NO:246: Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe (2) INFORMATION FOR SEQ ID NO:247: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:247:

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Asp Trp Phe Lys Ala Phe Tyr Asp Lys Phe Phe Glu Lys Phe Lys Glu 10 Phe Phe

- (2) INFORMATION FOR SEQ ID NO:248:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids (B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:248:

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu 1 5 10 Leu Phe

- (2) INFORMATION FOR SEQ ID NO:249:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids(B) TYPE: amino acid

  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
  - (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:249:

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Glu Glu Lys Leu Lys Glu 7 10 Leu Phe

- (2) INFORMATION FOR SEQ ID NO:250:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 18 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other (B) LOCATION: 1...18
  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:250:

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe

(2) INFORMATION FOR SEQ ID NO:251: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...18 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:251: Glu Trp Leu Lys Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu 1 10 Leu Phe (2) INFORMATION FOR SEQ ID NO:252: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None
(ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...15 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:252: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Gln Lys Leu Lys (2) INFORMATION FOR SEQ ID NO:253: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid(C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:253: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys 5 (2) INFORMATION FOR SEQ ID NO:254:

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- (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:254: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:255: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 15 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single
  (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...15 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:255: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Gln Lys 5 (2) INFORMATION FOR SEQ ID NO:256: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 16 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: None (ix) FEATURE: (A) NAME/KEY: Other (B) LOCATION: 1...16 (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated (xi) SEQUENCE DESCRIPTION: SEQ ID NO:256: Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys (2) INFORMATION FOR SEQ ID NO:257:
  - (i) SEQUENCE CHARACTERISTICS:
    - (A) LENGTH: 16 amino acids (B) TYPE: amino acid

    - (C) STRANDEDNESS: single

- (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:
  - (A) NAME/KEY: Other
    (B) LOCATION: 1...16

  - (D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:257:

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Lys Gln Lys

- (2) INFORMATION FOR SEQ ID NO:258:
- (i) SEQUENCE CHARACTERISTICS:
  - (A) LENGTH: 16 amino acids
  - (B) TYPE: amino acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: None
- (ix) FEATURE:

  - (A) NAME/KEY: Other(B) LOCATION: 1...16(D) OTHER INFORMATION: N-terminal acetylated and C-terminal amidated
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:258:

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Lys Gln Lys 10